Art on the Grid
AG Retreat '04
Ryerson University

Paul Mercer

Arctic Region Supercomputing Center, UAF

Primary Node Operator

Why Art on the Grid?

Art on the Grid

Because we can

Art on the Grid

Beginnings: May 1, 2003

Creator: Jimmy Miklavcic, U Utah, CHPC

jhm@chpc.utah.edu

Others involved:

ARSC, U Maryland, Ryerson, BU, NCSA, Penn. State, U New Mexico, EVL, National Research Council, Ottawa, Purdue

Art on the Grid

Performances to Date

GridJam

Candle and Hands

Outside In (Parts 1&2)

Valerie Naranjo

Interplay: Hallucinations

Art on the Grid

Collaborative Telematic Art

"NEW"…"DIFFERENT"

in "NEW SPACES"

a "NEW EXPERIENCE FOR AUDIENCES"

for "NEW AUDIENCES"

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SPACES and AUDIENCES

Most AG sites are designed for meetings.

How do we modify the space

for the performers,

for the audience?

How do we modify the video and audio resources to enhance the experience?

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Art on the Grid

QuickTime™ and a
Sorenson Video 3 decompressor
are needed to see this picture.

Art on the Grid

QuickTime™ and a
DV/DVCPRO - NTSC decompressor
are needed to see this picture.

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Outside In

Taking the Nodes Outside


Region


10:32

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Interplay: Hallucinations

April 23-25, 2004

Utah: Jimmy Miklavcic, Beth Miklavcic, Tony Larimer and Aaron Henry

Maryland: Nadja Masura, Brian Buck

ARSC: Scott Deal, Miho Aoki

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Each site captured local performances, Utah then mixed each and sent them back onto the grid.

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Maryland

MAX/MSP & Jitter, an audio and video processing software system from Cycling 74

Computer imagery

Interpretive dance

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ARSC

Scott Deal, Percussion

- A battery of drums and percussion instruments
- Emu E6400 Sampler, Roland JV 1080
- Module, and TC Electronics Fireworks signal processor
- Mackie 1204 VLZ audio mixer

Miho Aoki, real time animations

- Emagic Logic Audio software
- 3D animation sometimes driven by audio from Scott

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Utah

ATI Radeon 9600 graphic cards with built-in scan conversion.

Take any large vic window, convert to 640X480 NTSC.

Pass it through a prosumer video mixer.

Mixed signal was then connected to Osprey 230 capture cards and transmitted on the grid.

7 video capture cards

A live play!

Art on the Grid

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The Future ????

Experiment with DVTS, MIDI and motion capture data

Musical duets?

Anything goes

Art on the Grid

Contacts

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Thank you

Leone Thierman, ARSC